AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 19, line 26 as follows:

In aqueous solution there is little chemical shift difference between the amide and $C^{\alpha}H$ protons of Aβ1-28 compared with Aβ1-40, suggesting that both peptides are in a similar conformation. Comparisons of A1-28 and Aβ1-40 chemical shifts with random coil chemical shifts and the lack of NOE connectivities in the NOESY spectra indicate that both peptides are mostly in conformational exchange. However, there are some medium range NOE connectivities ($1 < /i-j/ < 5$) observed in the region of residues 16-21 of the peptide (KLVFFA) (SEQ ID NO: 1), suggesting that this region of the peptide has a structured turn. This is illustrated in Figure 1.

Please amend the paragraph beginning at page 24, line 6 as follows:

For the second class of molecules we chose derivatives of the pentapeptide leucine-valine-phenylalanine-phenylalanine-alanine (LVFFA) (SEQ ID NO: 2), designated herein as BRI7082 and BRI7077, to direct histidine binding compounds to Aβ.

Please insert the attached sequence listing into the specification.